

Section 1. Registration Information

Source Identification

Facility Name:	Wal-Mart Distribution Center #7013
Parent Company #1 Name:	Wal-Mart Stores, Inc.
Parent Company #2 Name:	

Submission and Acceptance

Submission Type:	Re-submission
Subsequent RMP Submission Reason:	5-year update (40 CFR 68.190(b)(1))
Description:	Casa Grande, AZ
Receipt Date:	03-May-2013
Postmark Date:	03-May-2013
Next Due Date:	03-May-2018
Completeness Check Date:	03-May-2013
Complete RMP:	Yes
De-Registration / Closed Reason:	
De-Registration / Closed Reason Other Text:	
De-Registered / Closed Date:	
De-Registered / Closed Effective Date:	
Certification Received:	Yes

Facility Identification

EPA Facility Identifier:	1000 0018 2802
Other EPA Systems Facility ID:	

Dun and Bradstreet Numbers (DUNS)

Facility DUNS:	51957769
Parent Company #1 DUNS:	51957769
Parent Company #2 DUNS:	

Facility Location Address

Street 1:	868 W. Peters Road
Street 2:	
City:	Casa Grande
State:	ARIZONA
ZIP:	85293
ZIP4:	
County:	PINAL

Facility Latitude and Longitude

Latitude (decimal):	32.866667
Longitude (decimal):	-111.771389
Lat/Long Method:	Interpolation - Photo
Lat/Long Description:	Center of Facility
Horizontal Accuracy Measure:	25
Horizontal Reference Datum Name:	North American Datum of 1983
Source Map Scale Number:	24000

Owner or Operator

Operator Name:	Wal-Mart Stores, Inc.
Operator Phone:	(520) 836-4500

Mailing Address

Operator Street 1:	868 W. Peters Road
Operator Street 2:	
Operator City:	Casa Grande
Operator State:	ARIZONA
Operator ZIP:	85293
Operator ZIP4:	
Operator Foreign State or Province:	
Operator Foreign ZIP:	
Operator Foreign Country:	

Name and title of person or position responsible for Part 68 (RMP) Implementation

RMP Name of Person:	
RMP Title of Person or Position:	Maintenance Manager
RMP E-mail Address:	

Emergency Contact

Emergency Contact Name:	Louie Sanchez
Emergency Contact Title:	General Manager
Emergency Contact Phone:	(520) 836-4500
Emergency Contact 24-Hour Phone:	(520) 836-4500
Emergency Contact Ext. or PIN:	
Emergency Contact E-mail Address:	Irsanch@wal-mart.com

Other Points of Contact

Facility or Parent Company E-mail Address:	andy.ellis@wal-mart.com
Facility Public Contact Phone:	
Facility or Parent Company WWW Homepage Address:	

Local Emergency Planning Committee

LEPC:	Pinal County LEPC
-------	-------------------

Full Time Equivalent Employees

Number of Full Time Employees (FTE) on Site:	603
FTE Claimed as CBI:	

Covered By

OSHA PSM :	Yes
EPCRA 302 :	Yes
CAA Title V:	
Air Operating Permit ID:	

OSHA Ranking

OSHA Star or Merit Ranking:

Last Safety Inspection

Last Safety Inspection (By an External Agency) Date:	03-Jan-2007
Last Safety Inspection Performed By an External Agency:	Fire Department

Predictive Filing

Did this RMP involve predictive filing?:

Preparer Information

Preparer Name:	CB&I
Preparer Phone:	(412) 372-7701
Preparer Street 1:	2790 Mosside Blvd
Preparer Street 2:	
Preparer City:	Monroeville
Preparer State:	PENNSYLVANIA
Preparer ZIP:	15146
Preparer ZIP4:	
Preparer Foreign State:	
Preparer Foreign Country:	
Preparer Foreign ZIP:	

Confidential Business Information (CBI)

CBI Claimed:
Substantiation Provided:
Unsanitized RMP Provided:

Reportable Accidents

Reportable Accidents:	See Section 6. Accident History below to determine if there were any accidents reported for this RMP.
-----------------------	---

Process Chemicals

Process ID:	1000041694
Description:	
Process Chemical ID:	1000050089
Program Level:	Program Level 3 process
Chemical Name:	Ammonia (anhydrous)
CAS Number:	7664-41-7
Quantity (lbs):	42488
CBI Claimed:	
Flammable/Toxic:	Toxic

Process NAICS

Process ID:	1000041694
Process NAICS ID:	1000042107
Program Level:	Program Level 3 process
NAICS Code:	49312
NAICS Description:	Refrigerated Warehousing and Storage

Section 2. Toxics: Worst Case

Toxic Worst ID: 1000034439

Percent Weight:	100.0
Physical State:	Gas liquified by refrigeration
Model Used:	Areal Locations of Hazardous Atmospheres [ALOHA(R)]
Release Duration (mins):	10
Wind Speed (m/sec):	1.5
Atmospheric Stability Class:	F
Topography:	Rural

Passive Mitigation Considered

Dikes:	Yes
Enclosures:	
Berms:	
Drains:	
Sumps:	
Other Type:	

Section 3. Toxics: Alternative Release

Toxic Alter ID: 1000036348

Percent Weight:

Physical State:

Model Used:

Wind Speed (m/sec):

Atmospheric Stability Class:

Topography:

Gas liquified by refrigeration

Areal Locations of Hazardous Atmospheres
[ALOHA(R)]

3.5

B

Rural

Passive Mitigation Considered

Dikes:

Yes

Enclosures:

Yes

Berms:

Drains:

Sumps:

Other Type:

Active Mitigation Considered

Sprinkler System:

Yes

Deluge System:

Water Curtain:

Yes

Neutralization:

Yes

Excess Flow Valve:

Yes

Flares:

Scrubbers:

Yes

Emergency Shutdown:

Yes

Other Type:

Section 4. Flammables: Worst Case

No records found.

Section 5. Flammables: Alternative Release

No records found.

Section 6. Accident History

No records found.

Section 7. Program Level 3

Description

Oil analysis every every 6 months.; Preventative maintenance daily; Vibration analysis; SOP's for operations, 5 year SRV replacement

Program Level 3 Prevention Program Chemicals

Prevention Program Chemical ID:	1000042928
Chemical Name:	Ammonia (anhydrous)
Flammable/Toxic:	Toxic
CAS Number:	7664-41-7

Prevention Program Level 3 ID:	1000036345
NAICS Code:	49312

Safety Information

Safety Review Date (The date on which the safety information was last reviewed or revised):	27-Feb-2013
---	-------------

Process Hazard Analysis (PHA)

PHA Completion Date (Date of last PHA or PHA update):	27-Feb-2013
---	-------------

The Technique Used

What If:	
Checklist:	
What If/Checklist:	Yes
HAZOP:	
Failure Mode and Effects Analysis:	
Fault Tree Analysis:	
Other Technique Used:	
PHA Change Completion Date (The expected or actual date of completion of all changes resulting from last PHA or PHA update):	27-Feb-2013

Major Hazards Identified

Toxic Release:	Yes
Fire:	Yes
Explosion:	Yes
Runaway Reaction:	
Polymerization:	
Overpressurization:	Yes
Corrosion:	Yes
Overfilling:	Yes
Contamination:	Yes
Equipment Failure:	Yes
Loss of Cooling, Heating, Electricity, Instrument Air:	Yes
Earthquake:	

Floods (Flood Plain):
Tornado: Yes
Hurricanes:
Other Major Hazard Identified:

Process Controls in Use

Vents: Yes
Relief Valves: Yes
Check Valves: Yes
Scrubbers: Yes
Flares:
Manual Shutoffs: Yes
Automatic Shutoffs: Yes
Interlocks: Yes
Alarms and Procedures: Yes
Keyed Bypass:
Emergency Air Supply: Yes
Emergency Power: Yes
Backup Pump: Yes
Grounding Equipment: Yes
Inhibitor Addition:
Rupture Disks: Yes
Excess Flow Device: Yes
Quench System:
Purge System: Yes
None:
Other Process Control in Use:

Mitigation Systems in Use

Sprinkler System: Yes
Dikes: Yes
Fire Walls: Yes
Blast Walls: Yes
Deluge System:
Water Curtain: Yes
Enclosure: Yes
Neutralization: Yes
None:
Other Mitigation System in Use:

Monitoring/Detection Systems in Use

Process Area Detectors: Yes
Perimeter Monitors: Yes
None:
Other Monitoring/Detection System in Use:

Changes Since Last PHA Update

Reduction in Chemical Inventory:
Increase in Chemical Inventory:
Change Process Parameters:
Installation of Process Controls:

Installation of Process Detection Systems:
Installation of Perimeter Monitoring Systems:
Installation of Mitigation Systems:
None Recommended: Yes
None:
Other Changes Since Last PHA or PHA Update:

Review of Operating Procedures

Operating Procedures Revision Date (The date of the most recent review or revision of operating procedures): 27-Feb-2013

Training

Training Revision Date (The date of the most recent review or revision of training programs): 27-Feb-2013

The Type of Training Provided

Classroom: Yes
On the Job: Yes
Other Training:

The Type of Competency Testing Used

Written Tests: Yes
Oral Tests:
Demonstration: Yes
Observation: Yes
Other Type of Competency Testing Used:

Maintenance

Maintenance Procedures Revision Date (The date of the most recent review or revision of maintenance procedures): 27-Feb-2013

Equipment Inspection Date (The date of the most recent equipment inspection or test): 27-Feb-2013

Equipment Tested (Equipment most recently inspected or tested): NH3 Pump 2

Management of Change

Change Management Date (The date of the most recent change that triggered management of change procedures): 09-Jan-2013

Change Management Revision Date (The date of the most recent review or revision of management of change procedures): 27-Feb-2013

Pre-Startup Review

Pre-Startup Review Date (The date of the most recent pre-startup review): 30-Jan-2013

Compliance Audits

Compliance Audit Date (The date of the most recent compliance audit): 27-Feb-2013

Compliance Audit Change Completion Date (Expected or actual date of completion of all changes resulting from the compliance audit): 27-Feb-2013

Incident Investigation

Incident Investigation Date (The date of the most recent incident investigation (if any)): 06-Apr-2010

Incident Investigation Change Date (The expected or actual date of completion of all changes resulting from the investigation): 06-Apr-2010

Employee Participation Plans

Participation Plan Revision Date (The date of the most recent review or revision of employee participation plans): 27-Feb-2013

Hot Work Permit Procedures

Hot Work permit Review Date (The date of the most recent review or revision of hot work permit procedures): 27-Feb-2013

Contractor Safety Procedures

Contractor Safety Procedures Review Date (The date of the most recent review or revision of contractor safety procedures): 27-Feb-2013

Contractor Safety Performance Evaluation Date (The date of the most recent review or revision of contractor safety performance): 27-Feb-2013

Confidential Business Information

CBI Claimed:

Section 8. Program Level 2

Section 9. Emergency Response

Written Emergency Response (ER) Plan

Community Plan (Is facility included in written community emergency response plan?): Yes

Facility Plan (Does facility have its own written emergency response plan?): Yes

Response Actions (Does ER plan include specific actions to be taken in response to accidental releases of regulated substance(s)?): Yes

Public Information (Does ER plan include procedures for informing the public and local agencies responding to accidental release?): Yes

Healthcare (Does facility's ER plan include information on emergency health care?): Yes

Emergency Response Review

Review Date (Date of most recent review or update of facility's ER plan): 27-Feb-2013

Emergency Response Training

Training Date (Date of most recent review or update of facility's employees): 24-Jan-2013

Local Agency

Agency Name (Name of local agency with which the facility ER plan or response activities are coordinated): Pinal County LEPC

Agency Phone Number (Phone number of local agency with which the facility ER plan or response activities are coordinated): (520) 866-6415

Subject to

OSHA Regulations at 29 CFR 1910.38: Yes

OSHA Regulations at 29 CFR 1910.120: Yes

Clean Water Regulations at 40 CFR 112:

RCRA Regulations at CFR 264, 265, and 279.52: Yes

OPA 90 Regulations at 40 CFR 112, 33 CFR 154, 49 CFR 194, or 30 CFR 254:

State EPCRA Rules or Laws: Yes

Other (Specify):

Executive Summary

WAL-MART DISTRIBUTION CENTER #7013

Casa Grande, AZ

RISK MANAGEMENT PLAN

Executive Summary

1. ACCIDENTAL RELEASE PREVENTION AND EMERGENCY RESPONSE POLICIES.

At this Wal-Mart Distribution Center (D. C.), we utilize anhydrous ammonia that is considered hazardous by the Environmental Protection Agency (EPA). The properties that make ammonia valuable as a refrigerant also necessitate certain safety precautions. Wal-Mart strives to protect all its valuable resources and assets - both personnel and property. We live and have families in this community. We want to prevent exposure to all our personnel as well as nearby members of our community, existing natural resources, and the surrounding environment. It is our policy to comply with all Federal, State, and Local regulations. Through continual, accurate training and various safety devices and procedures, we work to minimize potential releases.

Our emergency response program has specific procedures for accidental releases of anhydrous ammonia as well as other emergencies. We work in conjunction with the Casa Grande Fire Department and the Pinal County Emergency Management Committee to prepare for necessary notification of all affected neighbors.

2. THE STATIONARY SOURCE AND REGULATED SUBSTANCES HANDLED.

The primary purpose of our facility is the temporary storage of refrigerated and frozen foods. We utilize anhydrous ammonia as the primary means for refrigeration and freezing. An outside company is used to fill our main receiver tanks. Piping then carries the ammonia to the needed refrigeration or freezing units. Access to the site is restricted to facility employees, authorized management personnel and authorized contractors.

The regulated substance used at our facility is anhydrous ammonia. The maximum amount of ammonia stored at this facility is 42,488 pounds. We have the capacity for more but our policy is not to exceed IIAR recommendations.

3. THE WORST CASE RELEASE SCENARIO(S) AND THE ALTERNATIVE RELEASE SCENARIO(S), INCLUDING ADMINISTRATIVE CONTROLS AND MITIGATION MEASURES TO LIMIT THE DISTANCES FOR EACH REPORTED SCENARIO.

Worst Case Scenario

The worst-case scenario would be failure of our largest tank/recirculator. Our policy restricts the maximum capacity of this 13,144 pound tank to 80% of capacity. The maximum quantity stored in this receiver is 10,515 pounds. It is assumed that the entire contents are released as a two-phase flow (gas and aerosol-ALOHA).

Distance to endpoint: 1.5 miles

Alternative Scenario

The alternative scenario would be the release of ammonia due to the failure of a pressure relief valve. The emergency valves shutdown release would engage and stop the flow and sounds an alarm. The monitoring system would alert personnel to manually shut the valve. The maximum time of the release would be 60 minutes and maximum quantity released would be approximately 1,971 pounds of ammonia.

Distance to endpoint: 0.13 miles (or 225 yards)

4. FIVE-YEAR ACCIDENT HISTORY.

This facility that opened in February of 2003 has not incurred a reportable release.

5. THE RMP MANAGEMENT PROGRAM.

The management of the RMP program will be handled by the Maintenance Manager. He/She will administrate in conjunction with the Wal-Mart D. C. management and personnel. Other entities or organizations that will be coordinated with include the Casa Grande Fire Department and the Pinal County Emergency Planning Commission.

6. THE GENERAL ACCIDENTAL RELEASE PREVENTION PROGRAM AND THE SPECIFIC PREVENTION STEPS.

The Wal-Mart D. C. facility complies with all applicable Federal, State and Local regulations including the EPA's Accidental Release Prevention Rule. Our personnel are trained about this during our Hazard Communications Training and through access to our Written Programs. Our Refrigeration Maintenance operators receive a combination of classroom and On-The-Job training (OJT). They are observed and are able to demonstrate proper job skills and knowledge. Also, the ammonia system is operated, tested and maintained to the standard of International Institute of Ammonia Refrigeration, the most stringent standards of the industry.

7. THE EMERGENCY RESPONSE PROGRAM.

Wal-Mart D. C. has onsite Hazardous Materials trained personnel to immediately respond to adverse conditions. We have monthly meetings as well as annual certification. This helps minimize the potential of an off-site release.

We work very closely with the Pinal County Emergency Planning Commission and the Casa Grande Fire Department on emergency preparedness. We meet periodically with representatives of each to address any changes in the facility or any new concerns.

8. PLANNED CHANGES TO IMPROVE SAFETY.

Currently, Wal-Mart D. C. trains and tests all refrigeration technicians. Our preventative maintenance program is above standard and our total ammonia Process Safety Program is reviewed annually and updated periodically. Our program is improved continuously through annual updated of our written program and annual training of our technicians. We also take advantage of new technologies when safer and more economical alternatives are available.

In December of 1999, Wal-Mart D. C. implemented the IIAR training protocol for their refrigeration technicians. The program consists of classroom training, viewing various training/safety videos and written testing procedures. The training will be conducted on at least an annual basis.